IN THE CLAIMS:

1. (Previously presented) An information management system, comprising:

a data repository storing related hydrocarbon-producing portfolio data tied to a key parameter field; and

at least one application server providing a plurality of different applications to a plurality of users, the at least one application server operatively coupled to the data repository, at least one of the plurality of different applications generating at least some related hydrocarbon-producing portfolio data having the key parameter field, wherein the data repository can be updated with the related hydrocarbon-producing portfolio data generated by each of the plurality of different applications having the key parameter field, the at least one application server being operatively connected to the data repository to serve the related hydrocarbon-producing portfolio data from the data repository when ones of the plurality of different applications use and generate the related hydrocarbon-producing portfolio data having the key parameter field, the management system further updating data relating to a property in a real time environment based on input from multiple users using different programs for different tasks.

2. (Previously Presented) The system as defined in claim 1, wherein the data repository can store all hydrocarbon-producing portfolio data generated by each of the plurality of different applications.

3. (Previously Presented) The system as defined in claim 1 wherein the data repository

comprises a plurality of databases to store hydrocarbon-producing portfolio data from a respective one of the plurality of different applications.

4. (Previously Presented) The system as defined in claim 1, wherein the plurality of different applications comprises at least two selected from the group consisting of a geoscience application, a petroleum land management application, a drilling engineering application, a finance application, a reservoir engineering application, a sales and marketing application, and a field operations application.

5. (Original) The system as defined in claim 1, wherein the plurality of different applications comprises at least one selected from the group consisting of a database management application, a portfolio management application, and a portfolio forecast application.

6. (Previously Presented) The system as defined in claim 5, wherein the database management application comprises a front-end user interface operatively coupled to the data repository and generating at least some hydrocarbon-producing portfolio data having the key parameter field when ones of the plurality of users enter hydrocarbon-producing portfolio data into the front-end user interface.

7. (Original) The system as defined in claim 6, wherein the front-end user interface comprises a plurality of different application modules each directed to specific ones of the plurality of users.

8. (Previously Presented) The system as defined in claim 5, wherein the portfolio management application comprises a resources optimization program to use the related hydrocarbon-producing portfolio data retrieved from the data repository to generate an optimized allocation of resources based on at least one selected criterion.

9. (Original) The system as defined in claim 8, wherein the selected criterion comprises at least one selected from the group consisting of developing most profitable assets first, achieving a selected net cash flow, achieving a selected earnings, achieving a selected level of production, satisfying obligations on time, and developing assets to achieve the greatest net cash flow in a selected amount of time for a selected amount of capital.

10. (Previously Presented) The system as defined in claim 8, wherein at least one application server automatically updates selected ones of the related hydrocarbon-producing portfolio data when the resource optimization program generates optimized allocation of resources data.

11. (Previously Presented) The system as defined in claim 5, wherein the portfolio forecast application forecasts future performance of assets based on the related hydrocarbon-producing portfolio data.

12. (Previously Presented) The system as defined in claim 1, further comprising a notification system to automatically notify at least one user when related hydrocarbon-

producing portfolio data relevant to the at least one user has been updated in the data repository.

13. (Original) The system as defined in claim 1, wherein the plurality of users comprise members of an asset development team having different functions related to the development and management of assets in the portfolio, each member responsible for providing particular related data corresponding thereto.

14. (Original) The system as defined in claim 13, wherein the members of the asset development team comprise at least two selected from a geoscientist, a landman, a reservoir engineer, a regulatory compliance administrator, a drilling engineer, a finance analyst, a field operator, a sales and marketing representative, and a portfolio manager.

15. (Previously presented) A management system for a hydrocarbon-producing portfolio, comprising:

at least one server providing a plurality of applications to respective users, at least one of the applications generating hydrocarbon-producing portfolio data corresponding to the respective user, at least some of the hydrocarbon-producing portfolio data generated by at least one of the applications having a key parameter field therein;

a database management system operatively coupled to the at least one server and storing at least some of the hydrocarbon-producing portfolio data generated by at least one of the plurality of applications and update any of the stored hydrocarbon-producing portfolio data having the key parameter field when ones of the plurality of applications

modify any of the stored hydrocarbon-producing portfolio data having the key parameter field; the at least one server to serve the updated hydrocarbon-producing portfolio data to any other ones of the plurality of applications when the other ones of the plurality of applications retrieves the updated hydrocarbon-producing portfolio data having the key parameter field, the management system further updating data on a property in a real time environment based on input from multiple users using different programs for different tasks; and

at least one business process model application to apply a business process model to selected ones of the stored hydrocarbon-producing portfolio data to generate modeled hydrocarbon-producing portfolio data having the key parameter field, the at least one business process model application to automatically update the modeled hydrocarbon-producing portfolio data when any ones of the selected ones of the stored hydrocarbon-producing portfolio data are updated by operation of any of the other applications.

16. (Original) The system according to claim 15, wherein the business process model comprises creating an optimized drilling schedule.

17. (Original) The system according to claim 15, wherein the business process model comprises forecasting hydrocarbon production for a selected drilling schedule.

18. (Original) The system according to claim 15, wherein the respective users comprises at least two selected from geoscientists, landmen, reservoir engineers, regulatory compliance administrators, drilling engineers, finance analysts, field operators, sales and

marketing representatives, and portfolio managers.

19. (Original) The system according to claim 15, wherein the plurality of applications comprises a part of the database management system.

20. (Original) The system according to claim 19, wherein the plurality of applications comprises application modules embedded in the database management system.

21. (Currently amended) A method for managing information, comprising:

serving a plurality of applications to respective users, each of the plurality of applications generating hydrocarbon-producing portfolio data corresponding thereto, at least some of the hydrocarbon-producing portfolio data generated having a key parameter field therein;

storing the hydrocarbon-producing portfolio data generated by at least one of the applications;

updating any of the hydrocarbon-producing portfolio data having the key parameter field when ones of the plurality of applications is used to modify any of the stored hydrocarbon-producing portfolio data having the key parameter field;

updating data relating to a prospect in a real time environment on the basis of input from multiple users using different programs for different tasks, and

serving the updated hydrocarbon-producing portfolio data to any other ones of the plurality applications when said other ones of the plurality of applications retrieves from storage the hydrocarbon-producing portfolio data having the key parameter field.

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1 22. (Original) The method as defined in claim 21, wherein the plurality of applications
2 comprises a plurality of separate applications each directed to at least one of the
3 respective users.

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1 23. (Original) The method as defined in claim 21, wherein the serving the plurality of
2 applications comprises serving a parent application comprising a plurality of application
3 modules, each of the application modules directed to at least one of the respective users.

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1 24. (Original) The method as defined in claim 21, wherein the plurality of applications
2 comprises at least one selected from a geoscience application, a petroleum land
3 management application, a drilling engineering application, a finance application, and a
4 reservoir engineering application, a production forecast application, and a portfolio
5 optimization application.

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1 25. (Previously Presented) The method as defined in claim 21, further comprising:
2 applying at least one business process model to selected ones of the stored
3 hydrocarbon-producing portfolio data to generate modeled hydrocarbon-producing
4 portfolio data; and
5 automatically updating the modeled hydrocarbon-producing portfolio data when
6 selected ones of the stored hydrocarbon-producing portfolio data are updated by
7 operation of any one of the served applications.

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26. (Original) The system according to claim 25, wherein applying the business process model comprises creating an optimized drilling schedule based on a selected criterion.

27. (Original) The system according to claim 25, wherein applying the business process model comprises forecasting hydrocarbon production for a selected drilling schedule.

28. (Currently amended) A method for managing a hydrocarbon-producing portfolio, comprising:

having a plurality of asset team members each using an application related to the function of the respective asset team member to generate hydrocarbon-producing portfolio data relevant thereto; the asset team members comprising ~~at least two selected from~~ a geoscientist who initiates the portfolio data and at least one of, a landman, a reservoir engineer, a regulatory compliance administrator, a right-of-way administrator, a drilling engineer, a completion engineer, a finance analyst, a field operator, a sales and marketing representative, and a portfolio manager; and

automatically updating corresponding hydrocarbon-producing portfolio data used by any other one of the applications based on the hydrocarbon-producing portfolio data generated by using at least one of the applications.

29. (Original) The method of claim 28, wherein the applications comprise at least two selected from a seismic interpretation application, a production forecasting application, a petroleum land management application, a regulatory compliance application, a drilling engineering application, and a portfolio optimization application.

30. (Previously Presented) The method of claim 28, further comprising:

applying at least one business process model to select ones of the corresponding hydrocarbon-producing portfolio data to generate modeled hydrocarbon-producing portfolio data.

31. (Original) The method according to claim 30, wherein the applying at least one business process model comprises determining an optimized drilling schedule.

32. (Original) The method according to claim 31, wherein the optimized drilling schedule is determined based on at least one selected from product price forecasts and production predictions.

33. (Original) The method according to claim 32, wherein the optimized drilling schedule is determined based on a selected criterion comprising at least one selected from developing most profitable assets first, achieving a selected net cash flow, achieving a selected earnings, achieving a selected level of production, satisfying obligations on time, and developing assets to achieve the greatest net cash flow in a selected amount of time for a selected amount of capital.

34. (Original) The method according to claim 30, wherein the applying at least one business process model comprises forecasting hydrocarbon production.

35. (Previously Presented) The method according to claim 30, wherein the applying at least one business process model comprises automatically populating regulatory forms based on corresponding hydrocarbon-producing portfolio data.

36. (Original) The method according to claim 30, wherein the applying at least one business process model comprises determining drilling costs associated with at least one prospectively drilled well.

37. (Previously Presented) The method according to claim 28, wherein the hydrocarbon-producing portfolio comprises existing and prospective well locations, petroleum land management information related to the existing and an prospective well locations, and estimated hydrocarbon reserves in reservoirs penetrated by the existing and prospective wells.

38. (Previously Presented) The method according to claim 28, further comprising notifying at least one of the asset team members that corresponding hydrocarbon-producing portfolio data used by the one of the applications used by the at least one asset team member have been updated by operation of the other one of the applications used by at least one other asset team member.

39. (Previously Presented) The method according to claim 28, further comprising limiting any one of the asset team members from updating selected ones of the corresponding hydrocarbon-producing portfolio data outside of the function of the any one of the asset

team members.

40. (Previously Presented) The method according to claim 28, further comprising restricting selected ones of the asset team members from updating selected corresponding hydrocarbon-producing portfolio data prior to other selected ones of the asset team members generating other selected corresponding hydrocarbon-producing portfolio data.

41. (Previously presented) The system as defined in claim 1 wherein the application server further provides data generated by one of the plurality of different applications as input to another of the plurality of different applications.

42. (New) The system as defined in claim 1 wherein only one of the multiple users is allowed to access data relating to the property at a time.

43. (New) The management system as defined in claim 15 wherein only one of the multiple users is allowed to access data relating to the property at a time.

44. (New) The method as defined in claim 21 wherein the updating data relating to a prospect further comprises limiting access to one of the multiple users at a time.